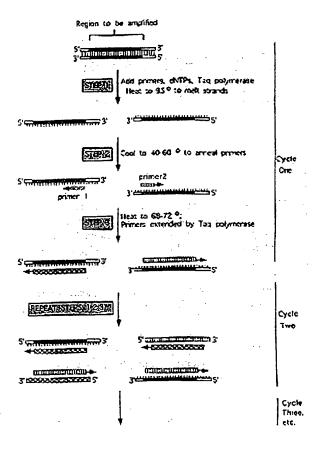
## *Fig. 1*



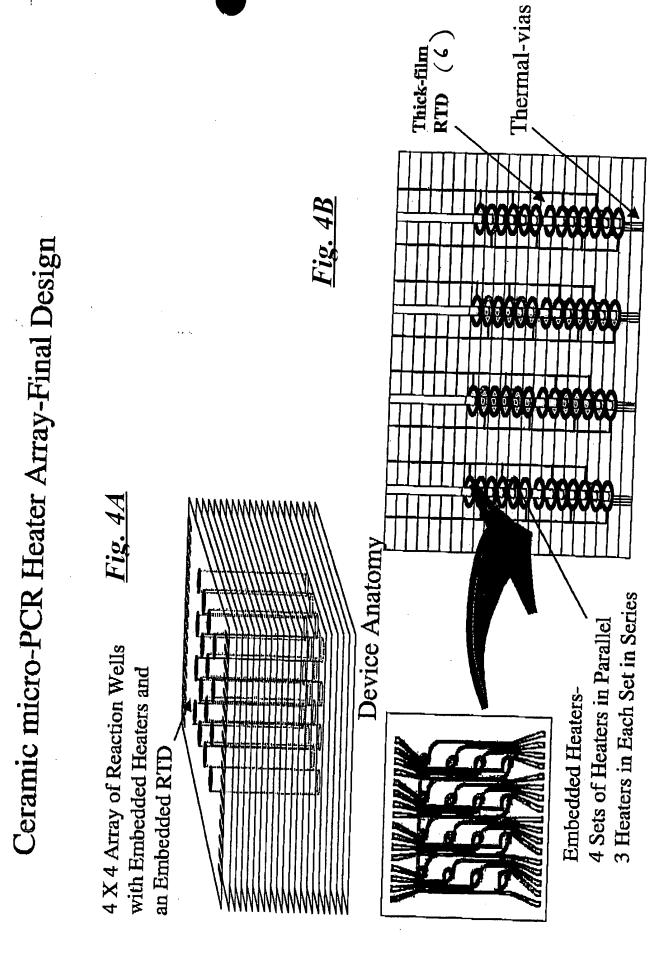
## Microchip PCR Array

Integrated heaters Reaction well

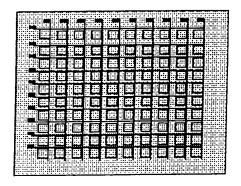
Themally insulating Intel material (air)

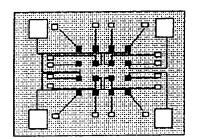
Integrated & independent heaters
Multiple sample parallel testing (high throughput)

 Example of column - row addressing



<u>Fig. 5</u>

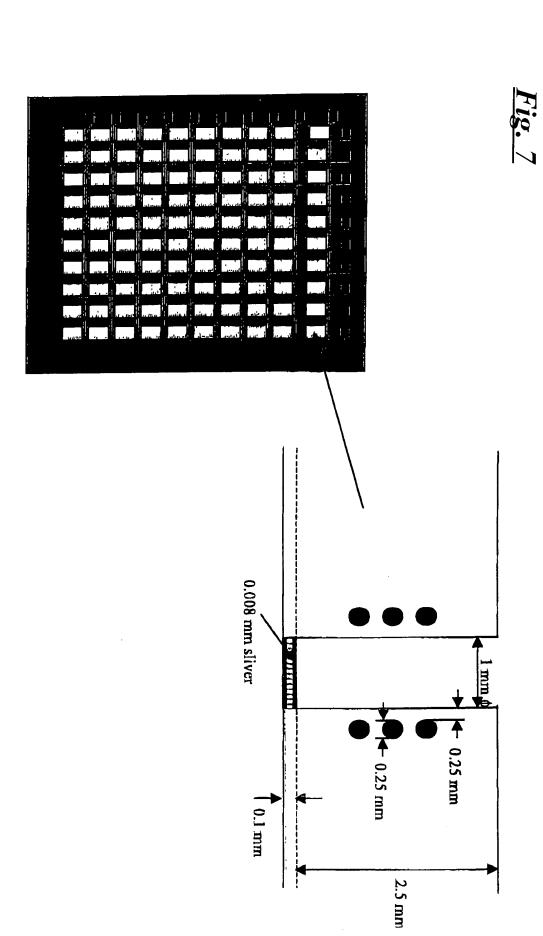


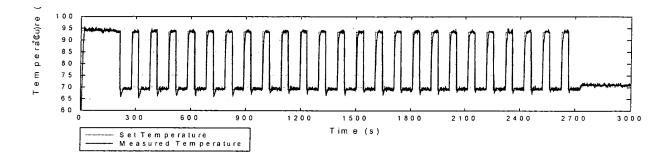


<u>Fig. 6</u>

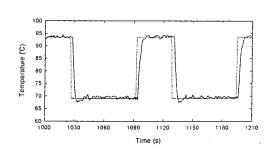
## Schematic of Array with Integrated Heaters with Active Cooling







*Fig. 8A* 

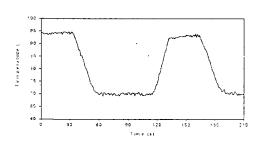


Construction of the first that the first that the first that

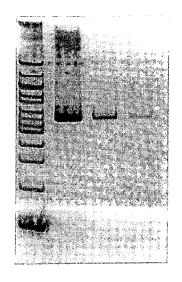
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Fig. 8B



<u>Fig. 8C</u>



<u>Fig. 9</u>

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